

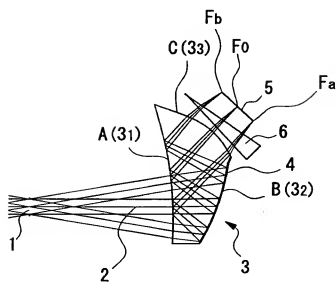
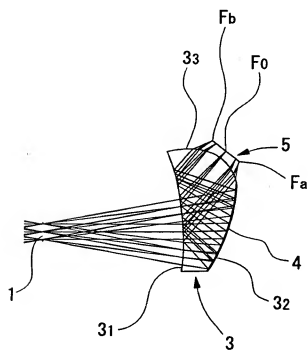
FIG. 1FIG. 3

FIG. 2A

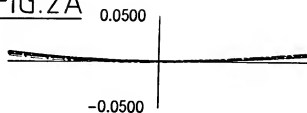


FIG. 2B

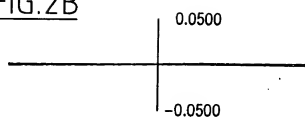


FIG. 2C

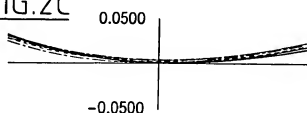


FIG. 2D

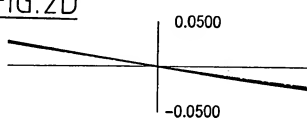


FIG. 2E

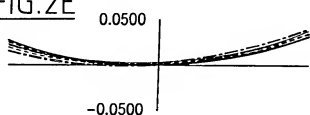


FIG. 2F

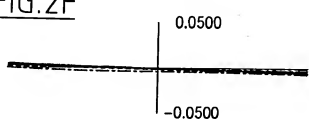


FIG. 2G

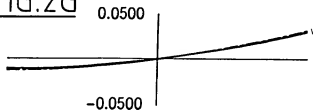


FIG. 2H

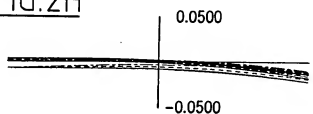


FIG. 2I

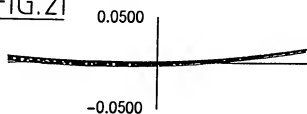


FIG. 2J

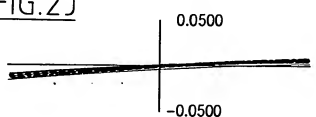


FIG. 2K

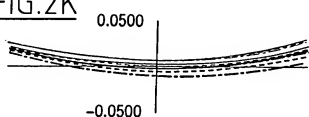
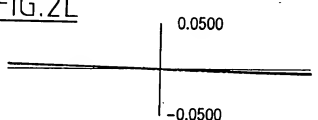


FIG. 2L



— 650.0 NM
 - - - 630.0 NM
 - · - 610.0 NM

— 540.0 NM
 - - - 520.0 NM
 - · - 500.0 NM

— 490.0 NM
 - - - 470.0 NM
 - · - 450.0 NM

FIG. 4A

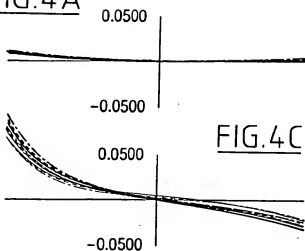


FIG. 4C

FIG. 4E

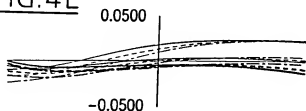


FIG. 4G

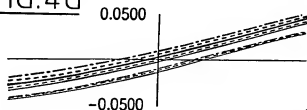


FIG. 4I

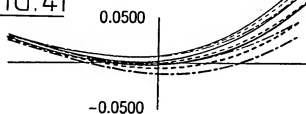


FIG. 4K

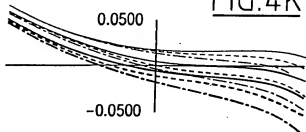


FIG. 4B

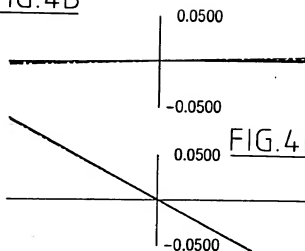


FIG. 4D

FIG. 4F

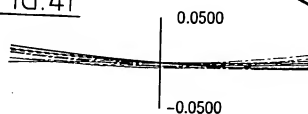


FIG. 4H

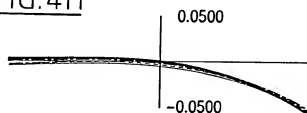


FIG. 4J

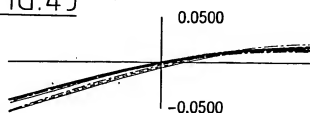
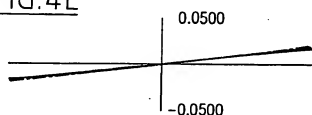


FIG. 4L



— 650.0 NM
 - - - 630.0 NM
 - · - 610.0 NM

— 540.0 NM
 - - - 520.0 NM
 - · - 500.0 NM

— 490.0 NM
 - - - 470.0 NM
 - · - 450.0 NM

FIG.5

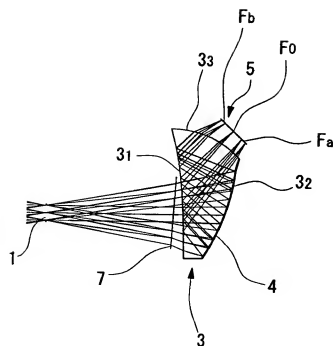


FIG.7

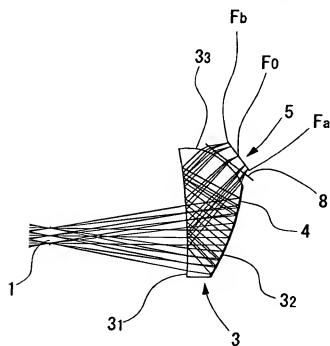


FIG. 6A

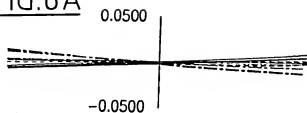


FIG. 6B

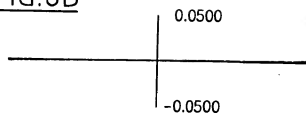


FIG. 6C

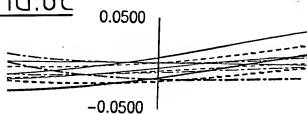


FIG. 6D

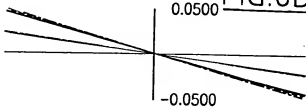


FIG. 6E

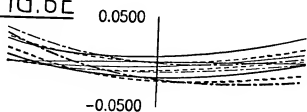


FIG. 6F

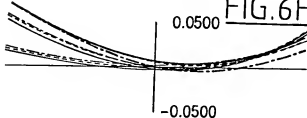


FIG. 6G

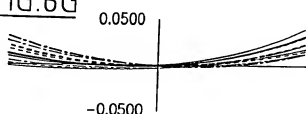


FIG. 6H

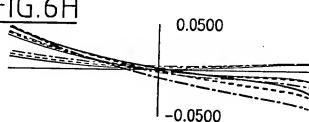


FIG. 6I

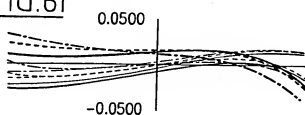


FIG. 6J

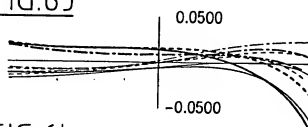


FIG. 6K

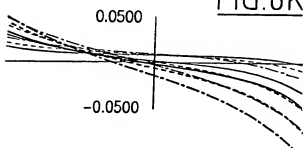
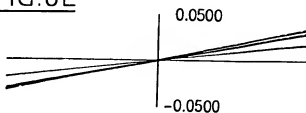


FIG. 6L



— 650.0 NM
 - - - 630.0 NM
 - · - 610.0 NM

— 540.0 NM
 - - - 520.0 NM
 - · - 500.0 NM

— 490.0 NM
 - - - 470.0 NM
 - · - 450.0 NM

FIG. 8A

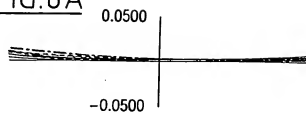


FIG. 8B

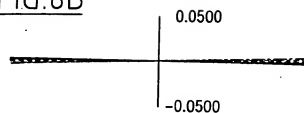


FIG. 8C

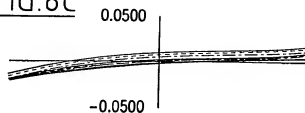


FIG. 8D

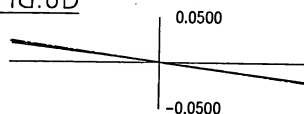


FIG. 8E

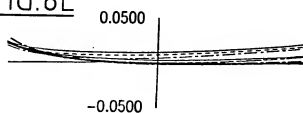


FIG. 8F

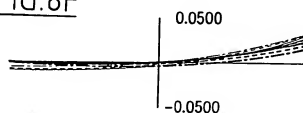


FIG. 8G

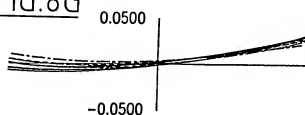


FIG. 8H

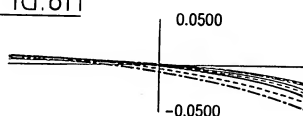


FIG. 8I

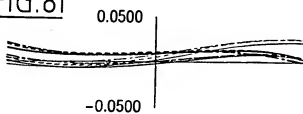


FIG. 8J

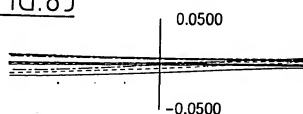


FIG. 8K

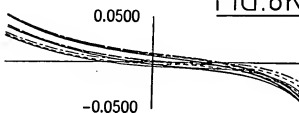
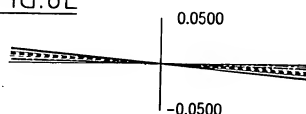


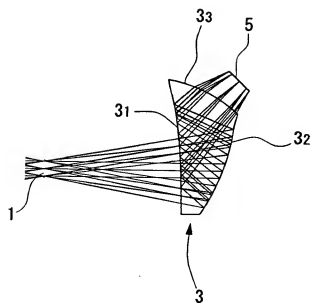
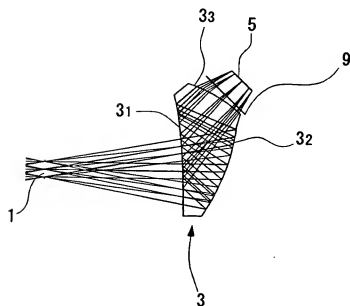
FIG. 8L



—— 650.0 NM
 - - - - 630.0 NM
 - · - · 610.0 NM

—— 540.0 NM
 - - - - 520.0 NM
 - · - · 500.0 NM

—— 490.0 NM
 - - - - 470.0 NM
 - · - · 450.0 NM

FIG.9 PRIOR ARTFIG.11 PRIOR ART

8/23

FIG. 10A

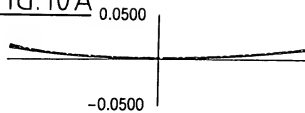


FIG. 10B

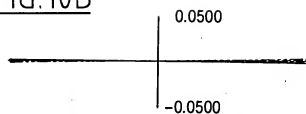


FIG. 10C

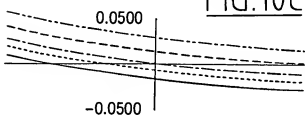


FIG. 10D

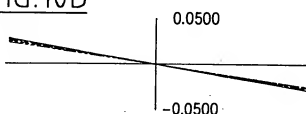


FIG. 10E

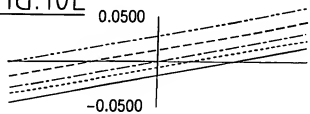


FIG. 10F

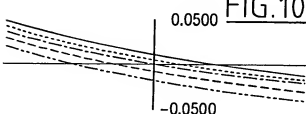


FIG. 10G

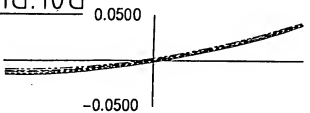


FIG. 10H

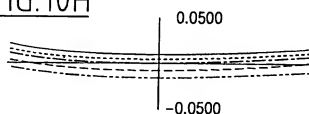


FIG. 10I

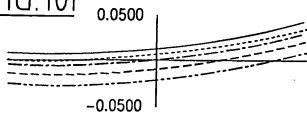


FIG. 10J

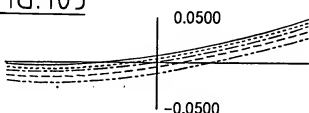


FIG. 10K

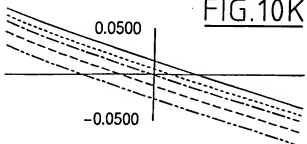
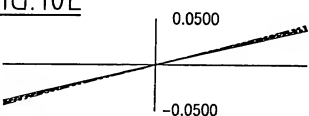


FIG. 10L



— 656.0 NM - - - 486.0 NM
 - - - 587.0 NM - - - 435.0 NM
 . . . 546.0 NM

9/23

FIG. 12A

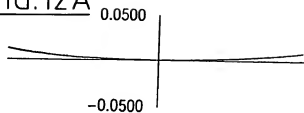


FIG. 12B

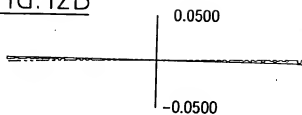


FIG. 12C

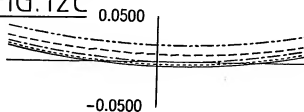


FIG. 12D

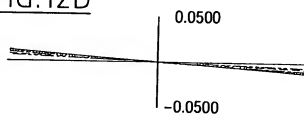


FIG. 12E

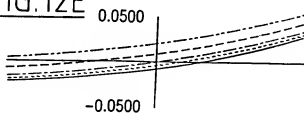


FIG. 12F

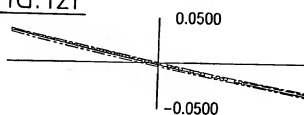


FIG. 12G

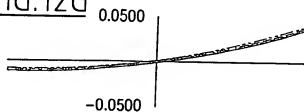


FIG. 12H

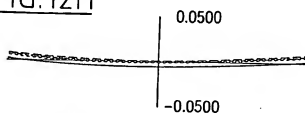


FIG. 12I

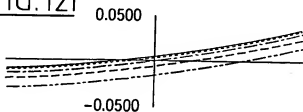


FIG. 12J

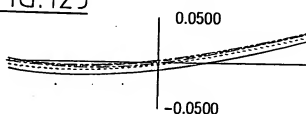


FIG. 12K

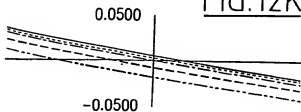
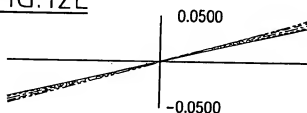


FIG. 12L



— 656.0 NM - - - 486.0 NM
 - - - 587.0 NM - - - 435.0 NM
 - - - 546.0 NM

10/23

FIG.13

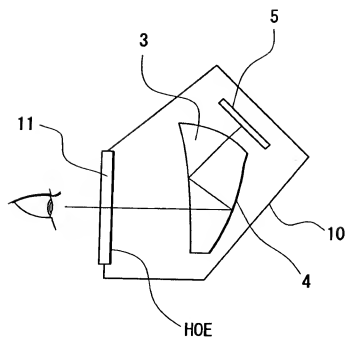


FIG.14

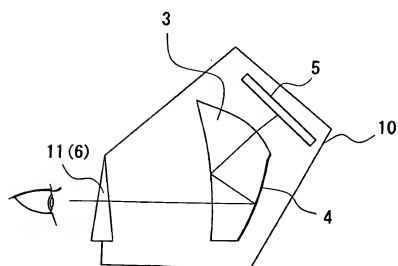


FIG.15A



FIG.15B

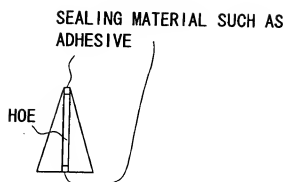


FIG.16

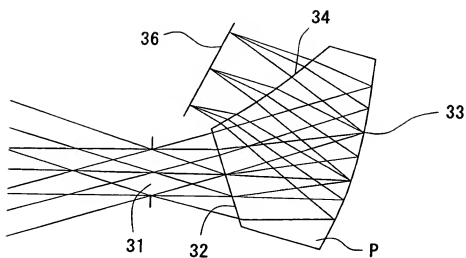


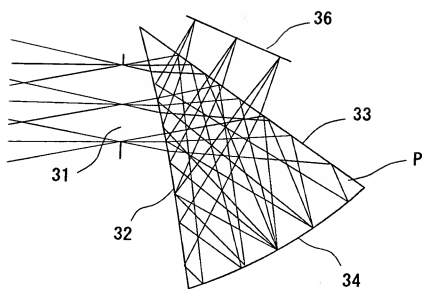
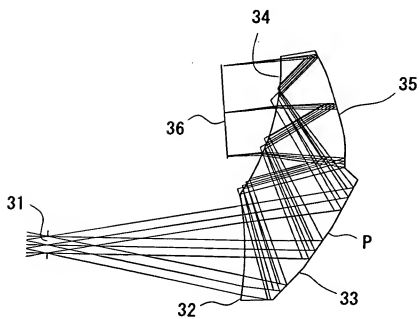
FIG.17FIG.18

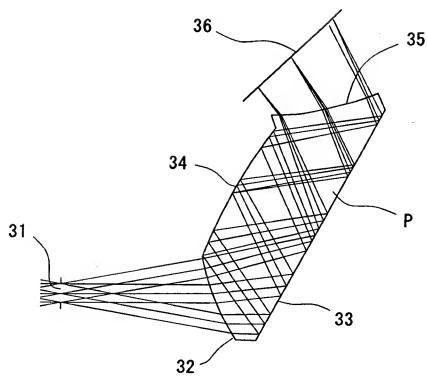
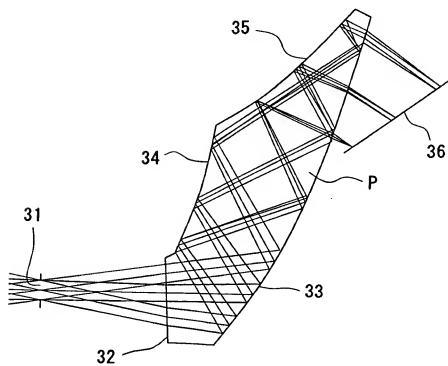
FIG.19FIG.20

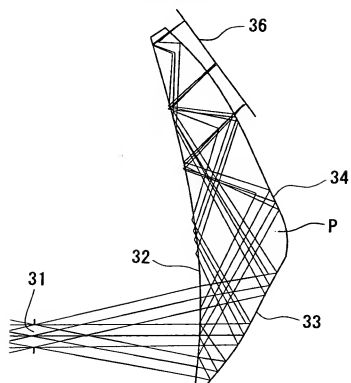
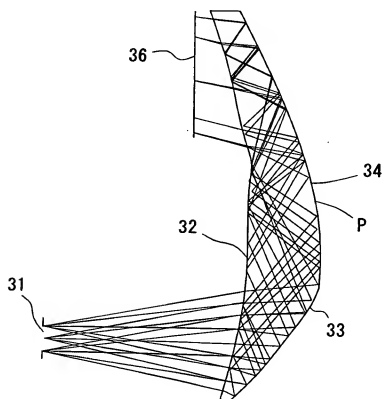
FIG. 21FIG. 22

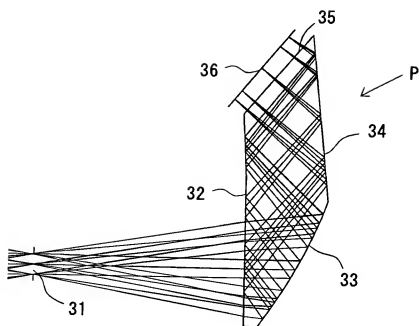
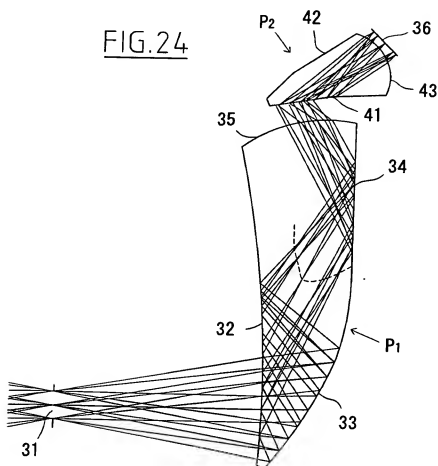
FIG.23FIG.24

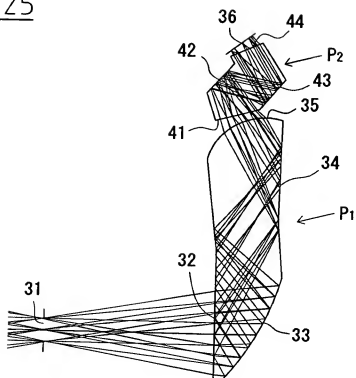
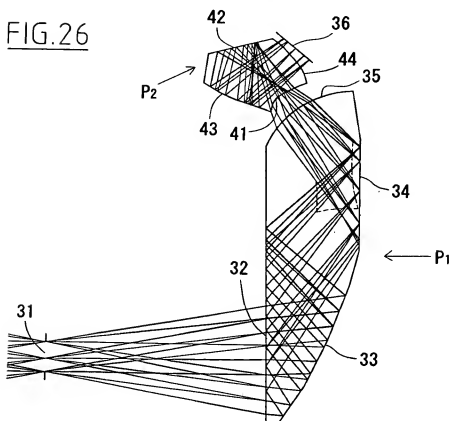
FIG.25FIG.26

FIG.27

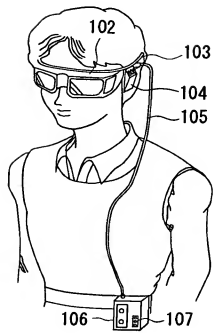


FIG.28

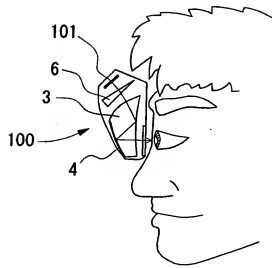


FIG.29

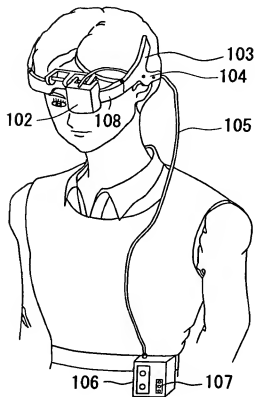


FIG. 30

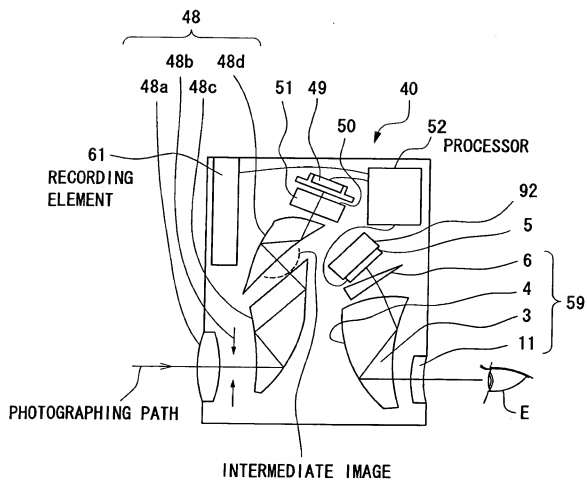


FIG. 31A

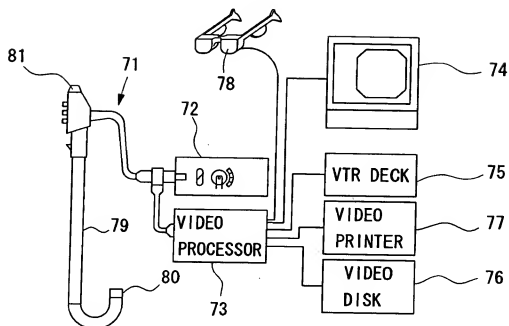


FIG. 31B

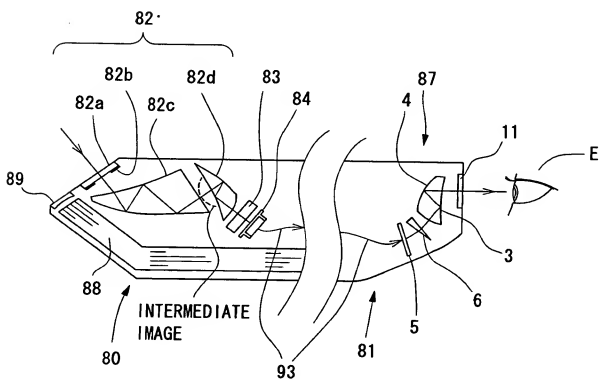


FIG.32

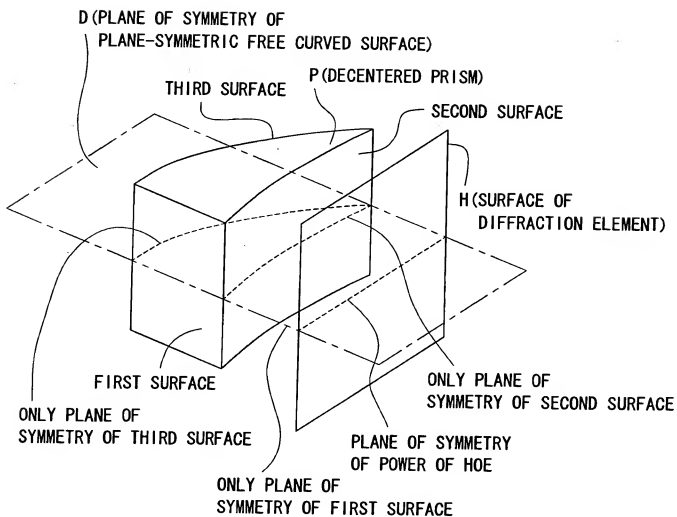


FIG.33

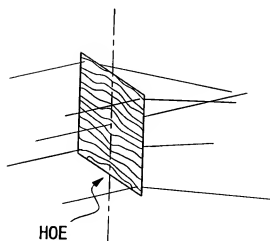


FIG.34

FREE CURVED SURFACE

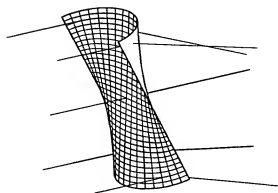


FIG.35A

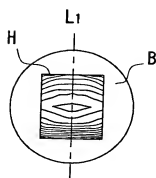


FIG.35B

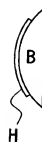
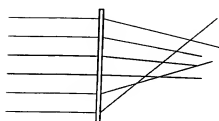
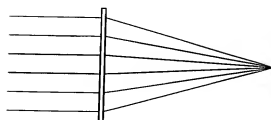


FIG.35C



ASYMMETRIC WITH RESPECT TO
ANY HORIZONTAL PLANE

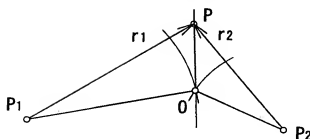
FIG.35D



SYMMETRIC WITH RESPECT TO
VERTICAL PLANE

FIG.36(EXAMPLE) WHERE MEDIUM IS AIR WITH $n=1$:

$$\Phi_0^{2p} = -r_2 - r_1 < 0$$

FIG.37